54 CAG	108 CGC	162 GTT	216 ATG M	270 GAG E	324 CAT H	378 CCA P
TGC	595	ACC	AGC	TCT GCA S A	AAG K	CAG Q
CCC	TGG	$\mathfrak{I}_{\mathcal{C}}$	CAG	TCT	393 3	GAG E
45 GCT	225 66	153 AGG	207 GCC	261 AGC '	315 TCC (S (369 CAG Q
TCA	SSS	TCC	ACA	GAC TCC D	9 9	CAG Q
36 ACA GCC	TGG	CCT	CTC	GAC D	TCA	CAC H
36 ACA	90 GCC TGG	144 CTG	198 GTC	252 GAA (E	306 CCC P	360 AGT S
ອວວ	CAG GAG	CCT	CTT	243 AGT GAG CAG (S E Q 1	999 9	GAC GCC D A
GAG		CTG	189 TAA CAT (GAG E	297 GGG GAC (G D (GAC D
27 CCT	81 GCC	135 TAC	189 TAA	243 AGT S	297 GGG G	351 TGG W
TGA GGT	AGG	555	ACT ACG	GAG CCG E P	GCA A	CTG L
TGA	72 CAG ATG AGG	CAG	ACT	GAG E	CCC	CTC
18 GAC '	72 CAG	126 AGC	180 TTG	234 TTT F	288 AGC S	342 GGC G
GGA	AGA	GGA	၁၁၅	GAG	CCC	CCA
909	255	AGA	TGT	CCA		GCC
9 CGA CCG TCC	93 CCC	117 GGG	171 AGC	225 ATC I	279 CTG L	333 CAG Q
ອວລ	GCC AGA	GGT	ეეე ენნ	CAG Q	9 9	CGC R
CGA	CCC	117 TAC GGT GGG	299	TTC CAG F Q	AGG GGC R G	CAT CGC H R
5						

FIGURE 1A

432 CAC H	486 AGC S	540 CGC R	594 AAG K	648 TCC S	702 AGC S	756 CCA
CGC R	CCC	CAG Q	AAG K			TTC
AGT S	GAG E	GCA A	TTT F	CAA Q	AGG R	ອນນ
423 CGG R	477 GAG E	531 GCA A	585 TCC S	639 CGG R	693 GGC G	747 CAC
ATC		TGG W	GAC D	ATG M		CTC
GAG E			GTG V	CAG Q	AAC N	AAA
414 GTG V	468 GGG G		576 TTT F	630 ACG T	684 CGG R	738 CCG
GCT	GAA E	CCC		GCA A		ATC
	GAC D			ACA T	TGG W	CAC
405 GCT A		513 GCG A			675 TGG W	729 CTC
9 9	GAG	TCG		GCG		TCG
GGA	ACG	CGC R	AGG R	AGC		CCT
396 CAT H	450 GGG G	504 TCG S	558 CGG R	612 AAG K	666 TTC F	720 TGA
CAT H	GCG A	CGC R	CTC	CCG	GTC V	CAG Q
AGC S	CCC	9 9		CGC R	CGA R	TCC
387 AGC S				603 CCT P		
AGC S	TCC	TTT F	295	CTT	TGG W	GCC
ACC	AGC S	CCC	TAT Y	GGA C	AGC S	TCC

FIGURE 1B

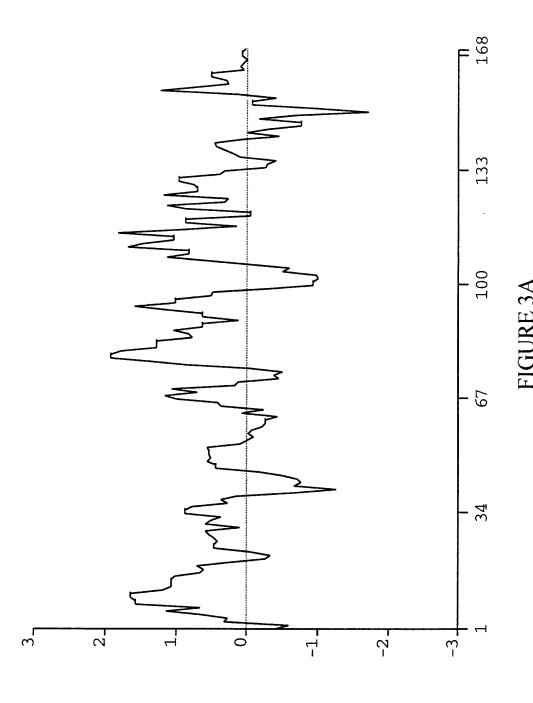
810 ATG	864 CCT	918 TTT	972 CTT	1026 CAC CGG	1080 TAA TAA
CCT	TTC	GGT	999	CAC	TAA
AGG	AGA	TTG	TCC	CGT	TGT
801 CTC	855 CCC	909 GTT	963 GGC	1017 CCG TTG	1071 AAA
TCC	TGA	GAA	TCA	1 CCG	1071 ACC AAA
ACT	SGC	TCG	CCC	TAA	ACT
792 AGT	846 GAG	900 CCA	954 CCG	1008 CAG GTT	1062 GTG CTC
GGA	AGG	GTC	ವಿವಿಶ	CAG	GTG
299	TGG	TTG	GTG	AGC	CCC
783 ATG	837 CTT	891 GGC	945 TCC	999 GCG	1053
AAT	CTC	GAA	GGC	GTC	1 CTG
TTG	TGT	ACG	AGT	TAA	225
774 ATC	828 TGC	882 GCC	936 GGA	252 066	1044 GAT
CCC	SCG	GAA	CCC	CTG	1 CGC
GCA	GAT	TGT	325	CGC	သသ
765 TGG	819 GAG	873 GCG	927 ACA	981 AGG	1035 AGC
765 CTG CCC TGG	819 CAA AAA GAG	873 TCC GGT GCG	927 CCG CCC ACA	981 CCC AGG	1035 GAC CCG AGC
CTG	CAA	TCC	500	TCC	GAC

FIGURE 1C

1089 1098 AGC CCG CGT CTG TGC AAA AAA AAA A 3'

\leftarrow	MFQIPEFEPSEQEDSSAAERGLGPSPAGDGPSGSGKHHRQ 358673 MFQIPEFEPSEQEDSSSAERGLGPSPAGDGPSGSGKHHRQ GI 1683637
41	APGLLWDASHQQEQPTSSSHHGGAGAVEIRSRHSSYPAGT 358673 APGLLWDASHQQEQPTSSSHHGGRWGCGDPESPQLLPRGD GI 1683637
ਲ ਲ	EDDEGMGEEPSPFRGRSRSAPPNLWAAQRYGRELRRMSDE 358673 GGRRRDGGGAQPFRGRSRSAPPNLWAAQRYGRELRRMSDE GI 1683637
121	FVDSFKKGLPRPKSAGTATQMRQSSSWTRVFQSWWDRNLG 358673 FVDSFKKGLPRPKSAGTATQMRQSSSWTRVFQSWWDRNLG GI 1683637
161 161	RGSSAPSQ RGSSAPSQ GI 1683637

FIGURE 2



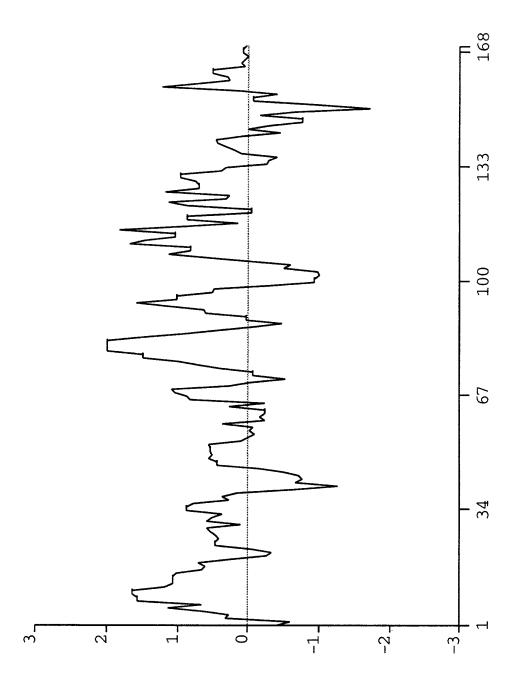


FIGURE 3B

54	AGA	108	ე ე	162	ATT	216	ACT	270	ATG M	324	CGC R
; (AGA	[]	GCT TGT		CTC		AAT		AGG		GAG CTG E L
; !	AAG	{	CL		GGT		AGG		GTC		GAG E
18 27 36 45	GCA	99	TGA	153	CIG	207	CAA	261	GAT	315	GCT A
(GCA	(GAT AGA	i	CAG		$\mathbf{T}'\mathbf{T}'\mathbf{T}$		CTG		TGC AAA GCG C
((ACC	[! (GA'I'	i	CCC		GGA		GGC CAG		AAA K
36	CAC		CCA	144	GTA	198	CTT			306	TGC C
į	TCA	i i	CAG AGA GGT	,	GGA CTC CAC		CCC AGA		GTA ACA CGA AGT AAT TGG		TGC TTT C
((TCC	1 (AGA	,	CTC				AAT		TGC C
27	ACT	81	CAG	135	GGA	189	TTA	243	AGT	297	CTC
; (AGA	((TGC AGC	:	TAG		TTA AGA		CGA		TTG L
? ?	TGG	; ; 1	TGC		TCA GCC				ACA		ATC I
			9			180	TAG	234	GTA	288	GTA ATC V
1	CCC ATT		AAA CCT		CCA AGT		CAT		TCT		ACC ATT T I
((CCC	1	AAA				CTG		900		ACC
6	CAG	63	GAC	117	TCC	171	GAA	225	GTT	279	GTT V
i 	ATG	:	CTG AAA		CAT		CCA		TTC ATT		GTG V
 	5' NGA ATG CAG		CTG	117	ATC		GTT ($\Gamma\Gamma$		CGT GTG GTT R V V
l	- 2										

FIGURE 4A

378 GGA G

360 369 3 AAT CAT GGC CGG GG N H G R A G

342 351 AGT GTG AGA AGC CGA GTG S V R S R V

333 3 AAA GCA AGC CCA GGC A K A S P G S

GGT

432 GAC D	486 GTT V	540 AAC N	594 AGC S	648 GGT G	702 ACG T	756 AAC N
TGT	TTA L	AGA R	AAA K	TTT F	TTG L	GAC D
CCG P	AAA K	GCA A	CTG L	T'TC F	GTC V	TAT Y
423 CTC L				639 GCG A		
0 0 0	GAA E	CTG L	AAA K	GAG E	ATC	CGT R
CCA P	CAA Q	ATG M	TTT F	AGT S	CAG Q	CTG L
414 GCA A	468 TGT C	522 CAC H	576 AAG K	630 GAG E	684 AAC N	738 TAC Y
TAC Y	GAT D	CTG L	TCC	ATT	CAC	AGC
	TTA L					
	459 TAC Y					
GTC V				ATC I		
CCG	GAG E	CCT		GAG E	CTC	ACA T
396 AAC N	450 CAT H	504 TGG W	558 AAG K	612 AAT N	666 ACC T	720 TAC Y
TCC	CTC	GGT	TTG	CAG Q	ACC	ATT I
0 0 0	TAT Y	CCT	ACA T	CAG Q	CTC	TTC
	441 ACA T					
CGG R	TAC Y	GTG V	ATC	GAT D	AAC N	GAA E
0 0 0	GTG V	TAT Y	AAG K	CTG	TTA L	GAG E

FIGURE 4B

810 CCC P	864 AAA K	918 GAA E	972 GAG E	.026 TGC C	GAG TTG AAA AAA GTG CCA AAC AAC CCT CCT CCA GAT ATT GTT AAA E L K K V P N N I P P D I V K	.134 GAT D
ATT I	CAA Q	AAG K	CCT P	1 GAC D	1 GTT V	1 GAA E
CAG Q	GAA E	GAA E	AAG K	CTG L	ATT I	TTT F
801 TTG L	855 CAA Q	909 GAA E	963 ATC I	1017 ACA T	1071 GAT D	1125 GAA E
ATG M	CCA P	AAT N	GTC V	CAA Q	CCA P	AAG K
TCA S	AGT S	TGT	CCA P	ATA I	CCT	CCC
792 ATT I	846 GAA E	900 TTG L	954 CCC P	1008 CCC P	1062 ATC I	1116 CGA R
CTT	TGT C	CAG Q	AGA R	TTT	AAC	CTT
ACG T	AAG K	GAA E	9999 9	GTG V	AAC N	CAA Q
783 Gaa E	837 GCC A	891 TCT S	945 TCA S	999 TAT Y	1053 CCA P	1107 AAC N
ATA I	TAC Y	AAA K	GTG V	AAT N	GTG	ATC
GAG E	AAC N	ATA I	CAA Q	CAC H	AAA K	AAA K
774 TGT C	828 GGG G	882 CAG Q	936 CCC P	990 TGC C	1044 AAA K	1098 AAT N
ACT	${ m TTG}$	CGG R	AAA K	TTT F	TTG	TAC
TGT C	AAT N	CTG L	CCG	ACT	GAG	TCA
765 CAC H	819 CGG R	873 AAA K	927 GAC D	981 TCA S	1035 AAA K	1089 TTG L
CCC TGG C	AAC N	AAA K	$ ext{TTG}$	GAC D	AGG	GAC
CCC	AGG R	AAT N	CAA	GTG V	1035 AAA AGG AAA K R K	CTT

FIGURE 4C

1188	197 1206 1215 1224 1233 1242	1296	1350	1404	1458	1512
C GAT	GCT TTT TTA GGG CTC ACA CAT TTA GAA GAA TTA GAT TTA TCA AAC AAC	A CTC	'C TAC	A ACG	T GAA	C ACA
D	A F L G L T H L E E L D L S N N	L	Y	T	E	T
AT	AA N	AA K	L C	AA K	T.Y.	GA
TTC F	TCA S	$ ext{TTG}$	TAC Y	TGC	TAC Y	CAA Q
1179	1233	1287	1341	1395	1449	1503
GAA	TTA	TTT	CAC	GAA	AGT	GAC
E	L	F	H	E	S	D
ATT	GAT	TAT	ATT	CTG	AGA	TTT
I	D	Y	I		R	F
1950 1970	TTA L	TTG L	AAC N	9	ATT I	TCA S
1170	1224	1278	1332	1386	1440	1494
AAT	GAA	GAC	TAC	AAT	TAT	GAG
N	E	D	Y	N	Y	E
AGC	GAA	GAA	GAC	TTT	AAA K	CCT
AGC	TTA	TTA	TGT	CAT	GGA	TAT
	L	L	C	H	G	Y
L161	1215	1269	1323	1377	1431	1485
CTC	CAT	GTA	AGA	GTC	GTG	GCA
L	H	V	R	V	V	A
AAC	ACA		TGG	AAT	TCT	CCA
TTA	CTC	TAT	CCT	TAC	TGG	TTA
L		Y	P	Y	W	L
.152	.206	.260	1314	1368	1422	1476
AAA	GGG	GAC	AAC	CAC	GGA	AAG
K	G	D	N	H	G	K
1 AAG K	1 TTA L	TTT F	J GAT D	CAC H	AAA K	GAC
CTG	TTT	AAC	AGA	AAG	$\frac{\text{TAC}}{\text{Y}}$	AAA
L	F	N	R	K		K
1143	.197	.251	.305	.359	1413	1467
GAG	GCT	CAA	CTC	TTA	GAA	CCC
E	A	Q	L	L	E	P
1	1	1251	1	1	∫	TGC
CAT	GCC	CTG CAA	TGG	TGG	GAA	
H	A	L Q	W	W	E	
1143	1197	AGT	1305	1359	1413	1467
GTT CAT GAG	CCT GCC GCT		TTG TGG CTC	TAC TGG TTA	CCT GAA GAA	GAA TGC CCC
V H E	P A A		L W L	Y W L	P E E	E C P

FIGURE 4D

GAA TGG GAA AAA AAA CAT AGA GAT CAC ACC GCA AAG AAG CAA AGC EWERRHRDHTA AKKQS	1620 AAT TAG TTT	1656 1674 CAT ATG TTT ACA TTT GAT TAA CTG TGT	1728 TAA GTA	1782 CTG TCC	1836 CAG CAG	1890 TTT TTA
AAG K	AAT	TAA	TTA	TGC	CTG	ATG
1557 2A AAG K	1611 GAT TGT	1665 PT GAT	1719 CTT TAA TTA	1773 CCT GCT	1809 1818 1827 GAT ATG CAA TTC CAC ACT GGT AAC CTG	1881 FA TAA
) 9 4	r G2	Ē			Ð H	E E
ACC	T C	ACZ	TTT	CAT	AC	<u>ي</u> د
1548 r cac H	1602 r rgr	1656 3 TTT	1710 A AGC	1764 C TAT	1818 C CAC	1872 A TGT
GA: D	AA	AT	ĞĞ	. IĞ	Ĭ.	TA
AGA R	AGA	CAT	AAA	GAA	CAA	TCA
1539 A CAT H	1593 1602 TAA GGT AGA AAT TGT TCT	1647 AGA AAA	1701 A GCT	1755 TCA AGA GAA TGC TAT	1809 NT ATG	1863 3A CTT
AA K	TA		22			r AG
AAA K	GGA	GTT	AAT	$\mathtt{TA}^{\!\mathcal{I}}$	GGJ	AT
1530 :GG GAA <i>I</i> E	1584 ACT ATA GTA GGA T I V G	1638 ACT GGT GTT	1692 1701 1710 CAG GGT AAT CCA GCT AAA GGA AGC	1746 TTA TAG TAA	1800 ACA GCA TCT GGT	1854 1863 1872 1881 AAT GAT GGC ATT AGA CTT TCA TAA TGT CCT GTA TAA ATG
GAA 1 E	ACT A	TAT 7	ATG (CTA	ACA (AAT (
1521 GAA GAT GAT E D D	1575 GTA ATA ATT V I I	1629 ATT TTC	1683 TGC CTA TTT	1737 TTG TGA	1791 ATT TGT GGA	1845 TTG GGT CCT
GAA G E	GTA A	TGT A	TGC (TTA ?	ATT .	TTG

FIGURE 4E

1944	TTT CGA	
1935	GGT TCA TGT TTA CAT GCC	
1926	CTT GGT TCA	
1917	AA AAA AAA	
1908	GAA AAT AAA GAA AAA AAA CTT (
1899	CTG CTT TTA G	

1998	GTT
.	GCT
	AAT
1989	ACA
	TAT ACA AAT
	T TAA AGA TGA TCA AAA TGA TTT T
1980	TGA
П	AAA
	TCA
1971	TGA
	AGA
	TAA
1962	GTG CAT ACT
	CAT
	GTG
.953	TTT
	CTG
	TAG

2052	CTT ATA
2043	GTA AGT CAT
2034	AC TITI TITI TCA (
2025	CCC CTC TAC T'TT
2016	CAT TCC CTA
2007	ATA ATA AAA TGT

2061 2070 2079 CAT TAA ATA AAT TTC CAT TTC TGA AAA AAA A 3'

FIGURE 4F

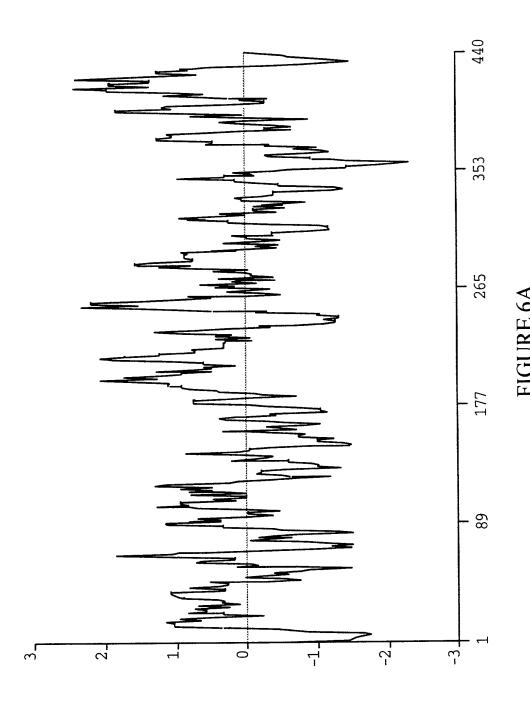
	IVILLCFCKAAELRKASPGSVRSRVNHGRAGGGRR 135	2286
	FCKAAELRKASPGSVRSRVNHGRAGGRR GI	1236329
	GSNPVKRYAPGLPCDVYTYLHEKYLDCQERKLVYVLPGWP 1352286 GSNPVKRYAPGLPCDVYTYLHEKYLDCQERKLVYVLPGWP GI 1236	2286 1236329
	QDLLHMLLARNKIRTLKNNMFSKFKKLKSLDLQQNEISKI 1352286 QDLLHMLLARNKIRTLKNNMFSKFKKLKSLDLQQNEISKI GI 1236	.2286 1236329
	ESEAFFGLNKLTTLLLQHNQIKVLTEEVFIYTPLLSYLRL ESEAFFGLNKLTTLLLQHNQIKVLTEEVFIYTPLLSYLRL GI 1	1352286 GI 1236329
161 161	YDNPWHCTCEIETLISMLQIPRNRNLGNYAKCESPQEQKN 1352. YDNPWHCTCEIETLISMLQIPRNRNLANYAKCESPQEQKN GI 1	1352286 GI 1236329
201 201	KKLRQIKSEQLCNEE - KEQLDPKPQVSGRPPVIKPEVDST 1352	1352286 GI 1236329
240 241	FCHNYVFPIQTLDCKRKELKKVPNNIPPDIVKLDLSYNKI FCHNYVFPIQTLDCKRKELKKVPNNIPPDIVKLDLSYNKI	1352286 GI 1236329

FIGURE 5A

11.0

1352286 GI 1236329 EYKGWSVGKYIRSYYEEC 1352286 GI 1236329 GI 1236329 GI 1236329 GI 1236329 1352286 I H Y 1352286 1352286 ΤΙΛ 기 되 되 工 CDYN ₽ TAKKOSV G FL LWLRDNPWR --LR A ß A Ç щ Д НО ДΩ SFDODTEDDEWEKKHR ᅜᆛᅜ म म KL HÖ 臼 Z SN LYYWLKHHYNVHFNGLECKTP Ŋ ഥ ГΥ Ø Ц L N L N П 口 × × X X > П П O ГI × Ω 耳 DVH D (H PKDKLPAYPE Z 0 口 口 [T. 闰 S Z NOLRP Z \approx Ŋ υQ LDL 440 G 313 z 400 | 313 360 313 280 281 320 312

FIGURE 5B



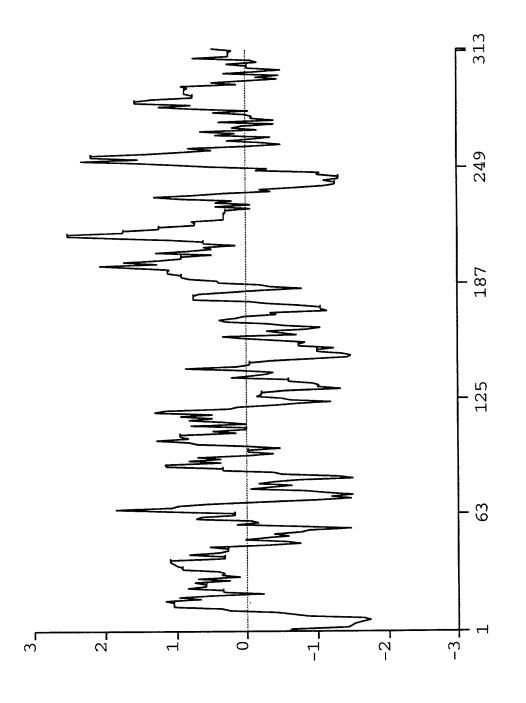


FIGURE 6B

54 CCT	108 TGA	162 GTT	216 ACT	270 GGA	324 ATG M
222		CCT	GTG	GAA	AAA
) JÐJ	TAC AAA	TCC (AAC (TCT	999
45 TTT (99 GTC '	153 GTT '	207 CTT	261 GAT	315 TAA
CAA '			ATT		CGA AAT
CGT	TGT AGT	AAA AGG	GAT	GTT ACT	CGA
36 AGA	90 CTG	144 GAA	198 CTT	252 GGA	306 AAG
TGC	CAA	999	AAT	CAA	TGC
GTC	CAG	GTC	TAC	AAG	CAG
27 ACT	81 AGC	135 GGT	189 TGT	243 TTT	297 AAT
AAA	CGT	TTA	AAT	CTT	TLT
SSS	CTA	CGA	TTT	GTG	${ m TTG}$
18 AGC	72 TCG	126 ATG	180 TAC	234 CAA	288 AAT
TCG	AAC	GAA	TTT	CAC	TTA GGT
AGC	GAG	TCA	TAT	AAC	TTA
9 TCG	63 TGT	117 CGA	171 TTG	225 GGA	279 CCA
9 NAC AGC TCG	CCT	TGA AAA	AAC	TTG	279 AGA TTT CCA
	သည	TGA	${ m LLL}$	TTT	AGA
5.					

FIGURE 7A

378 TTA L

333 342 351 360 369
GAT GTA GAA AAT GAG CAG ATA CTG AAT GTA AAC CCT GCA GAT CCT GAT AAC
D V E N E Q I L N V N P A D P D N

432 AAG K	486 ATT I	540 AGA R	594 GTG V	648 GGA G	702 CCT P	756 GAT D
GTA V	AGA R	9 9	ACT T	AAA K	ACA T	GAT D
GAA E	GCT A	TCT			GGT	$_{\rm Y}^{\rm TAT}$
423 GAG E	477 GAA E	531 GAC D	585 GGA G	639 TCT S	693 TGG W	747 AAC N
ACT	AAC N			AGA R		
999	ATT I	TCC	AGA R	TCC	GGT	GAT D
	468 TCC S					
AAT N	TCC	AAC N	GCC	AGG R	0 0	GTG V
GAA E		AAA K				
405 GAA E	459 TCA S	513 AGG R	567 AGT S	621 CTG L	675 GCA A	729 GTG V
GAT D	ATT I	CTA L	999 G	TTG	GGT	GAG
GGT G	TGG W	CGA R	AGT S	AGG R	GGT	GAG
396 TCC S	450 AAT N	504 AGG R	558 GAC D	612 GGA G	666 AAA K	720 GTG V
TTT	GGA	AAA K	AGC S			
CTC	AAT N	GCA A				
387 TCT S	141 \TA	195 1AG (549 TCG S	603 AGT S	657 CTA L	711 GTG V
GAC D	GAA E	GCC	GAT D	ACC T	GGA	CAG Q
AGT	AAT GAA A N E I	AAT N	9 9	CCA	AGG R	GGA

FIGURE 7B

810 GCA A	864 ACT T	918 GGA G	972 GAG E	1026 GAT D	1080 GAT D	1134 GAT D
AGG R	GAT D	AGT	AGA R	ACT	CTG	GGA
GAA E	GGA G	AAA K	CAT H	ACA T	GCA A	GTT V
801 GAT D	819 828 837 846 855 864 AAG ACT TTA ACA CCA ATC ATA CAG GAA TAT TTT GAG CAT GGA GAT ACT K T L T P I I Q E Y F E H G D T	909 ATG M	963 AGT S	1017 AGC S	1071 TTA L	1125 GCT A
$\overset{\text{TTG}}{\text{L}}$	GAG E	GAA E	GCT	ATG	GAA	AGA R
CCT P	TTT F	GGT	AAG K	GTA V	CCT	GCT A
792 TTG L	846 TAT Y	900 CTT L	954 GGG G	1008 ACA T	1062 CTA L	1116 ATT I
GTT V	GAA E	AAT N	GAG	999	GAT	TTT
GTA V	CAG Q	${f TTA}$	$ ext{TTG}$	TGT	AAA K	CAG Q
783 ACT T	837 ATA I	891 GAT D	945 GCA A	999 CTT L	1053 TTG L	1107 GGC G
GAA E	ATC I	AGA R	TTA L	GAC	TTG	GTG V
TAT Y	CCA P	TTA L	TCC	TCT	AAA K	TTG
774 GTT V	828 ACA T	882 ATG M	936 GTA V	990 CTT L	1044 GAT D	1098 CAG Q
TGT	TTA L	GAA E	GCA	CTT	TTT	CCA P
AAC N	ACT T	GCG	TTG	AAG K	TCA	GCA
		873 GTT V	927 GTG V	981 TCT S	1035 AAA K	1089 ' AGA R
CAG Q	GAG	873 GAA GTT E V	CCA P	981 ATG ACA TCT M T S	1035 3 GAA AAA T E K S	1089 ACT CCT AGA (T P R
GAC	TTT	AAT N	927 GTA CCA GTG V P V	ATG M	GTG V	ACT

FIGURE 7C

1 1

.188 GTG V	.242 GGT G	.296 AAT N	1350 GAC D	L404 CAT H	1458 ACA T	1512 ACT T
1 TGT C	1 AAA K	GTC V	GGA G	CAC	AGT	ATT
GAT D	TCT S	TCT	TCT S	TTT F	GAA E	ACC
179 GTA V	233 ATG M	287 CAA Q	.341 CTC L	1395 CAT H	1449 GGA G	1503 TCT S
1 ACT T	1 AGT S	1 CAG Q	1 TTA L	CCT P	ACT T	TCT
GGA G	CTG	GGG G	TAT Y	GTA V	TCA	AAG K
170 AAA K	224 CTT L	.278 GGT G	.332 GAA E	.386 GAA E	.440 GAG E	1494 TGG W
1 TAC Y	1 GTG V	1 GGA G	1 AAA K	1 CTG L	1 TTA L	CTT L
AGT S	ACC	TCT	CTG L	GAA E	GTT V	TCC
161 GAT D	215 GCT A	.269 GGC G	.323 CTG L	.377 AAG K	1431 ATG M	1485 AAG K
1 ATT I	1 AAG K	TGG W	1 ATG M	CTT L	1 ATA I	TTA L
TAT Y	GAT D	GTG V	GAT D	TGC	ATT I	TTA L
152 ACC T	206 CTG L	260 AGT S	.314 ATT I	.368 CAT H	1422 GCT A	L476 GAT D
1 AAT N	1 GCT A	1 GAT D	1 GAG E	GAA E	GAA E	TTG
TGT	197 1233 1242 AGA GCT GCT CTG GAT AAG GCT ACC GTG CTT CTG AGT ATG TCT AAA GGT R A A L D K A T V L L S M S K G	AAA K	AAA K	GCT A	TAT Y	ATT I
1143 TTA L	197 AGA R	251 CGT R	.305 GTT V	.359 GAA E	413 GTA V	1467 TTT AAG ATG F K M
1143 GGA ATT TTA G I L	1 GCT A	1 AAG K	1 CTT L	TCT S	CTT L	AAG K
GGA	1197 CAG GCT AGA Q A R	1251 GGA AAG CGT G K R	1305 CAC CTT GTT H L V	1359 ATA TCT GAA I S E	1413 GAG CTT GTA E L V	TTT F

FIGURE 7D

1620 TGT C	1674 GGC G	1728 TAC Y	1782 TTG	1800 1809 1818 1827 1836 TTA GCA CAA GTT TTT TTT TTT TTT TAA GCA CTT GTT TTG
GAA E	AGG R	AGC	GAA	GTT
GAA E	TCA	GAG E	TCT	CTT
611 GTA V	1665 CCT P	1719 CCA P	1773 ATA	1827 A GCA
TTT F	TGT C	AAA K	TAT	TAA
CGG R	CTT L	CTT L	AAA	TTT
.602 GAG E	.656 GAT D	1710 CGT R	1764 TAA	1818 TTT
1 CTG L	1 AGA R	1 GGT G	1 TTA	TTT
GTG V	CTC	GGA G	ATG	LLL
.593 TCT S	L647 CAA Q	L701 GAT D	1755 TAG	1809 r TTT
1 TAC Y	1 AAA K	GGA G	TCT	TTT
TCA	TCC	GAA E	CAG	GTT
-584 CAT H	.638 ATT I	1692 AGC S	1746 TTG	1800 CAA
CCA P	1 ATA I	GTA	CTC	GCA
GTC V	GGA	TTT F	GAA	
.575 GAT D	-629 GCT A	1683 CGT R	1737 TAA	1791 TAA GAG TTG
1 CTG L	cag Q	AAG K	ATA	GAG
AAT N	TTT	AGA R	TGA	TAA
	AAT CTG GAT GTC CCA CAT TCA TAC TCT GTG CTG GAG CGG TTT GTA GAA GAA TGT N L D V P H S Y S V L E R F V E E C	AAT CTG CAA TCA TAC TCT GTG CTG GAG CTG TTT GTA GAA GAA GAA TGT N L D V P H S Y L E R F V E E C TTT CAG GCT GGA TTT TGC AAA CAA TGC T	AAT CTG GAT GTC CCA CAT TCA TACT TCT GTG CTG GAG CGG TTT GTA GAA GAA TGT CTG CAG GAT CTG GAG CGG TTT GTA GAA GAA TGT CTG CAG GAT CTG CAG CAG TTT GTA GAA GAA TGT CTG CAG GAT CTG CAG CAT CTG CAG CAG CAG CAG CAG CAG CAG CAG CAG CA	AAT CTG GAT CTC CCA CAT TCA TCT CTC CTC CTC CTC C

FIGURE 7E

1845 1854 1863 1872 1881 1890 GGT ACA AGG CAT TTC TGA CAT TTT ATA AAC CTA CAT TTA AGG GGA ATT TTT AAA

4 K	∞ [-	2 H	9 E	0 E	4 T
1944 GGA CAG AAA	1998 TGC CAT	2052 TCC TTT	2106 CTT TAT	2160 TGA GAT	2214 ATT TTT
CA(AT
GGA	AAG	CAC	AAG	TGT	AGA
1935 ; GAG	1989 ' TGT	2043 TGC	2097	2151 7 TGC	2205 'TAA
1935 GGC AAG GAG	1989 TTT TGT	2043 GAC TGC	2097 TAT ACA AAG	2151 TGC TGC	2205 TCT TAA AGA
CGC	ACC	TCT	GTT	255	2196 ATT TCT TTG
1926 . GGG	1980 GCT	2034 PATG	2088 CTG	2142 GTT	2196 : TCT
1926 CGA GGG	TAA	2034 TTG ATG	2088 GTA GTA AAA TCA CTG	2142 CAT GTT	
TTT	TAA	GCA	AAA	၁၁၁	2178 2187 GAG TAA AAA AAG AAA GTT
1917 ' GTT	1971 , TTC	2025 'TTT	2079 GTA	2133 CTA AAA	2187 3 AAA
1917 TTT GTT	1 ATA	2025 AGT TTT	2 GTA	2 CTA	AAG
TTT	1971 GGA ATA TTC	CCA	TTT	CTG	AAA
		2016 ; ATT	2070 TTT	2124	2178 3 TAA
1908 TCT TTT	1962 TTA AGT	2016 ATC ATT	2070 ACA GTG TTT	2124 GTT AAG	2 GAG
TTT '	LLC	CTA	ACA	AAA	TGG
		2007 TAT	2061 AGG	2115 ; GGT	2169 ; CTT
1. AAT	1 AAC	2 TAT	2 TCA	2 GGG	2169 ACT GTG CTT
1899 GGA AAT GTT	1953 AGT AAC CTC	2007 GTT TAT TAT	2061 CTT TCA AGG	2115 TTA GGG GGT	ACT
_	. ~	_	_		

FIGURE 7F

2223 2250 2259 2268 AAA AAA TTA GTC ATG AGA CTT ATT CAT CTT TCC AGG GAA CAT ACT GAT TGG TCT

2322	TAA AAG ACT AGA CAG TTA AGT AAA AGG TGG CTG GAA CAT CTA TTT TTC TAC AAA
ε,	
2313	ביידי אַ ידיבו
	CAT
2304	GAA
(1	CTG
	TGG
2295	AGG
()	AAA
	AGT
2286	TTA
(1	CAG
	AGA
2277	ACT
11	AAG
	TAA

2331 2340 2349 2358 2367 2376 ACT GGA AAA ATG AAC CTG GTT CTA GAA TGT ACA CCA AAA TAA AAC ATG TGA

2385 2394 AGC AGT ATT GAA AAA AAA 3' FIGURE 7G

GI 1384078 815087 D SVSDN Ŋ > Ŋ G D Ω G \propto \mathbf{A} Ö C ഗ വ R D Ω 召 ഗ ß Ŋ ß RKN K N 凶 Ц 口 ĸ 24 ĸ K × × K A Ø × N A ď z Н Н α 凶 Ø Ø ASTINE 闰 z N H Ø S S Н GNW 3 z G Z Z 44

GI 1384078 815087 Ö GAGG ŋ ø Ö G Ö × М × ¥ Д Д П Ц ŋ Ç 召 α G Ö × × Ŋ Ç S Ŋ 民 民 Ω Ω R R K α П Ω RLL Ц Ы ĸ r Ö × X Д Д Ŋ Ŋ H H SGLTVP LTVP DALR: EAVRS ∞ Ω G Ŋ ಹ ಹ

GI 1384078 815087 U I TVVLPLD TVVLP H CVYE $C \vee Y$ Z Z ыы о О О DD Ω Ω N \succ z Д Д О Ω × ¥ D V > Ω > > 口 团 OVYDVE 团 > Ω ΛV à Ö G Д Д G T 딘 Ö $G \vee W$ $G \vee W$ X × 121 121

GI 1384078 815087 G V G V വ വ DLNLGEMKDLNLGEMK L R L R AEM EVAEM > 口 Z z ₽ H Ω Ω Ö G 耳 耳 口 口 ᄺ ш \succ \succ 闰 回 $\alpha \circ$ Н $\boldsymbol{\vdash}$ Н Н Д Д H \vdash Ц E Н K 团 口 ETAF ſτι ERA 161 161

GI 1384078 815087 ſτι بترا Ω X × 口 口 TDV TNDV 드 Ω G T V M G T V M DIC \circ H S D D KLL KLL ∞ ы В М 24 ĸ S 田 Ŋ GKA K A G 团 闰 ΑΓ 口 Ø SL A V PVLAV P V L201

GI 1384078 815087 LCNTYID TYID LCN Н Н GDG Ö G D A V RAV ĸ IA Ø Н ഥ Ŀ α α QLVG OLVG DKLLKDLPELALDTPRAP DKLLKDLPELALDTPRAP 241

FIGURE 8A

281 SYKGTVDCVQARAALDKATVLLSMSKGGKRKDSVWGSGGG 815087 281 SYKGTVDCVQARAALDKATVLLSMSKGGKRKDSVWGSGGG GI 1384078	1078
QQSVNHLVKEIDMLLKEYLLSGDISEAEHCLKELEVPHFH 815087 QQPVNHLVKEIDMLLKEYLLSGDISEAEHCLKELEVPHFH GI 1384078	1078
HELVYEAIIMVLESTGESTFKMILDLLKSLWKSSTITVDQ 815087 HELVYEAIVMVLESTGESAFKMILDLLKSLWKSSTITIDQ GI 1384078	1078
MKRGYERIYNEIPDINLDVPHSYSVLERFVEECFQAGIIS 815087 MKRGYERIYNEIPDINLDVPHSYSVLERFVEECFQAGIIS GI 1384078	1078
KQLRDLCPSRGRKRFVSEGDGGRLKPESY KOLRDLCPSRGRKRFVSEGDGGRLKPESY	1078

FIGURE 8B

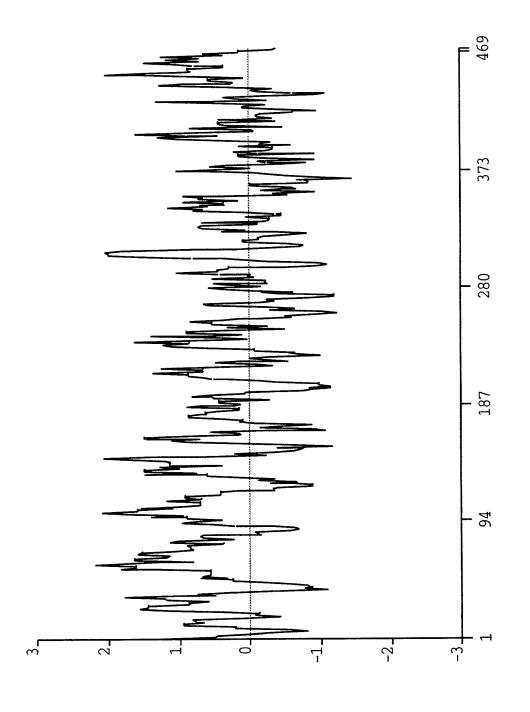


FIGURE 9A

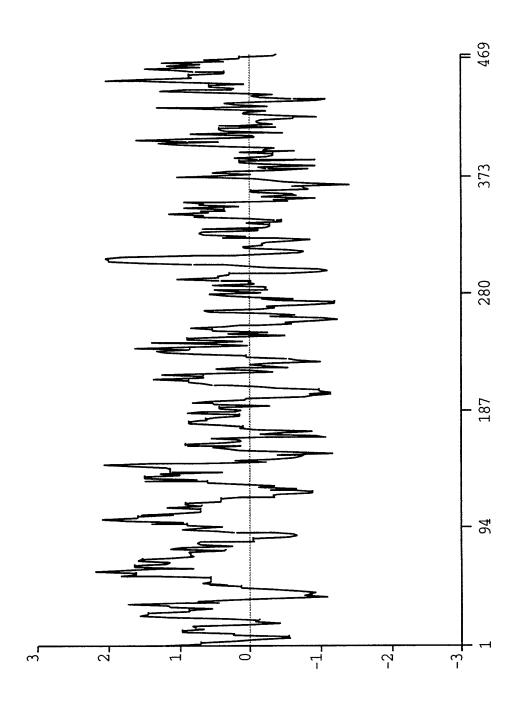


FIGURE 9E